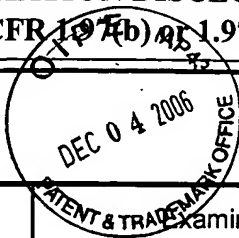


TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
1000-1216

In Re Application Of: Alex Nugent



Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/748,631	12/03/2003	Tran, Mai T.		2129	7487

Title: **APPLICATION OF HEBBIAN AND ANTI-HEBBIAN LEARNING TO NANOTECHNOLOGY-BASED PHYSICAL NEURAL NETWORKS**

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☒ the fee set forth in 37 CFR 1.17(p).

12/04/2006 SDENBOB1 00000019 10748631

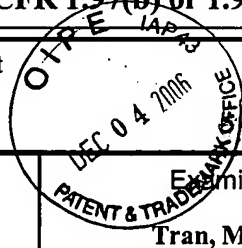
01 FC:1806

180.00 0P

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
1000-1216

In Re Application of: Alex Nugent



Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/748,631	12/03/2003	Tran, Mai T.		2129	7487

Title: **APPLICATION OF HEBBIAN AND ANTI-HEBBIAN LEARNING TO NANOTECHNOLOGY-BASED PHYSICAL NEURAL NETWORKS**

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☒ A check in the amount of **\$130.00** is attached.
- ☐ The Director is hereby authorized to charge and credit Deposit Account No. _____ as described below.
- ☐ Charge the amount of
 - ☐ Credit any overpayment.
 - ☐ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fa

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

Nov. 30, 2006

(Date)

Kermit Lopez
Signature of Person Mailing Correspondence

Kermit Lopez

Typed or Printed Name of Person Mailing Certificate

*This certificate may only be used if paying by deposit account.

Kermit Lopez
Signature

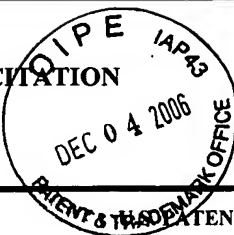
Dated: November 30, 2006

Kermit Lopez
Registration No. 41,953
ORTIZ & LOPEZ, PLLC
Patent Attorneys
P.O. Box 4484
Albuquerque, NM 87196-4484

CC:

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional) 1000-1216	Application Number 10/748,631
Applicant(s) Alex Nugent	
Filing Date 12/30/2003	Group Art Unit 2129

PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,282,530	8/28/2001	Huang; Shi-Fong	706	41	6/9/1999

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		EP 1 069 206 A2	1/17/2001	European Patent Office	C23C	16/26	✓	

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
		Philip G. Collins & Phaedon Avouris, "Nanotubes for Electronics," Scientific American, December 2000, pp. 62-69.
		Chent et al., "Aligning single-wall carbon nanotubes with an alternating-current electric field", Applied Physics Letters; June 4, 2001 -- Vol. 78, Issue 23, pp. 3714-3716
		Shunji Bando, et al. "Purification of Single Wall Carbon Nanotubes by Microfiltration," J. Phys. Chem. B. 1997, 101, pp. 8839-8841
		A. Bezryadin et al., "Evolution of Avalanche Conducting States in Electrorheological Liquids" Department of Physics and Division of Engineering and Applied Sciences, Harvard University, Cambridge, MA; Oct. 21, 1998, pp. 1-15

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

1000-1216

Application Number

10/748,631

Applicant(s)

Alex Nugent

Filing Date

12/30/2003

Group Art Unit

2129

*EXAMINER

INITIAL

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

Yamamoto, et al. "Rapid Communication Orientation and Purification of Carbon Nanotubes Using AC Electrophoresis"
J. Phys. D: Phys. 31 (1998) L34-L36

A. Van Schaik, "Building Blocks for Electronic Spiking Neural Networks"; Neural Networks 14 (2001); pp. 617-628

"Nanoparticles Get Wired" Dimes Institute, Delft University of Technology, Science Now, January 28, 1997, page 1.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.